```
atggcggagg aaggagccgt ggccgtctgc gtgcgagtgc ggccgctgaa cagcagagaa
gaatcacttg gagaaactgc ccaagtttac tggaaaactg acaataatgt catttatcaa
gttgatggaa gtaaatcctt caattttgat cgtgtctttc atggtaatga aactaccaaa
aatgtgtatg aagaaatagc agcaccaatc atcgattctg ccatacaagg ctacaatggt
actatatttg cctatggaca gactgcttca ggaaaaacat ataccatgat gggttcagaa
gatcatttgg gagttatacc cagggcaatt catgacattt tccaaaaaat taagaagttt
cctgataggg aatttctctt acgtgtatct tacatggaaa tatacaatga aaccattaca
gatttactct gtggcactca aaaaatgaaa cctttaatta ttcgagaaga tgtcaatagg
aatgtgtatg ttgctgatct cacagaagaa gttgtatata catcagaaat ggctttgaaa
tggattacaa agggagaaaa gagcaggcat tatggagaaa caaaaatgaa tcaaagaagc
agtcgttctc ataccatctt taggatgatt ttggaaagca gagagaaggg tgaaccttct
aattgtgaag gatctgttaa ggtatcccat ttgaatttgg ttgatcttgc aggcagtgaa
agagctgctc aaacaggcgc tgcaggtgtg cggctcaagg aaggctgtaa tataaatcga
agcttattta ttttgggaca agtgatcaag aaacttagtg atggacaagt tggtggtttc
ataaattatc gagatagcaa gttaacacga attctccaga attccttggg aggaaatgca
aagacacgta ttatctgcac aattactcca gtatcttttg atgaaacact tactgctctc
cagtttgcca gtactgctaa atatatgaag aatactcctt atgttaatga ggtatcaact
gatgaagctc tcctgaaaag gtatagaaaa gaaataatgg atcttaaaaa acaattagag
gaggtttctt tagagacgcg ggctcaggca atggaaaaag accaattggc ccaactttttg
gaagaaaaag atttgcttca gaaagtacag aatgagaaaa ttgaaaactt aacacggatg
ctggtgacct cttcttccct cacgttgcaa caggaattaa aggctaaaag aaaacgaaga
gttacttggt gccttggcaa aattaacaaa atgaagaact caaactatgc agatcaattt
aatataccaa caaatataac aacaaaaaca cataagcttt ctataaattt attacgagaa
attgatgaat ctgtc  ggtaccatatgggaattcgaagcttacgtagaacaaaaactcatctc
agaagaggatctgaatagcgccgtcgaccatcatcatcatcatcat
```

FIG.1

```
  1 MAEEGAVAVC VRVRPLNSRE ESLGETAQVY WKTDNNVIYQ VDGSKSFNFD RVFHGNETTK
 61 NVYEEIAAPI IDSAIQGYNG TIFAYGQTAS GKTYTMMGSE DHLGVIPRAI HDIFQKIKKF
121 PDREFLLRVS YMEIYNETIT DLLCGTQKMK PLIIREDVNR NVYVADLTEE VVYTSEMALK
181 WITKGEKSRH YGETKMNQRS SRSHTIFRMI LESREKGEPS NCEGSVKVSH LNLVDLAGSE
241 RAAQTGAAGV RLKEGCNINR SLFILGQVIK KLSDGQVGGF INYRDSKLTR ILQNSLGGNA
301 KTRIICTITP VSFDETLTAL QFASTAKYMK NTPYVNEVST DEALLKRYRK EIMDLKKQLE
361 EVSLETRAQA MEKDQLAQLL EEKDLLQKVQ NEKIENLTRM LVTSSSLTLQ QELKAKRKRR
421 VTWCLGKINK MKNSNYADQF NIPTNITTKT HKLSINLLRE IDESVGTIWE FEAYVEQKLI
481 SEEDLNSAVD HHHHHH
```

FIG.2

```
atggcggagg aaggagccgt ggccgtctgc gtgcgagtgc ggccgctgaa cagcagagaa
gaatcacttg gagaaactgc ccaagtttac tggaaaactg acaataatgt catttatcaa
gttgatggaa gtaaatcctt caattttgat cgtgtctttc atggtaatga aactaccaaa
aatgtgtatg aagaaatagc agcaccaatc atcgattctg ccatacaagg ctacaatggt
actatatttg cctatggaca gactgcttca ggaaaaacat ataccatgat gggttcagaa
gatcatttgg gagttatacc cagggcaatt catgacattt tccaaaaaat taagaagttt
cctgataggg aatttctctt acgtgtatct tacatggaaa tatacaatga aaccattaca
gatttactct gtggcactca aaaaatgaaa cctttaatta ttcgagaaga tgtcaatagg
aatgtgtatg ttgctgatct cacagaagaa gttgtatata catcagaaat ggctttgaaa
tggattacaa agggagaaaa gagcaggcat tatggagaaa caaaaatgaa tcaaagaagc
agtcgttctc ataccatctt taggatgatt ttggaaagca gagagaaggg tgaaccttct
aattgtgaag gatctgttaa ggtatcccat ttgaatttgg ttgatcttgc aggcagtgaa
agagctgctc aaacaggcgc tgcaggtgtg cggctcaagg aaggctgtaa tataaatcga
agcttattta ttttgggaca agtgatcaag aaacttagtg atggacaagt tggtggtttc
ataaattatc gagatagcaa gttaacacga attctccaga attccttggg aggaaatgca
aagacacgta ttatctgcac aattactcca gtatcttttg atgaaacact tactgctctc
cagtttgcca gtactgctaa atatatgaag aatactcctt atgttaatga ggtatcaact
gtcgacaagc ttgcggccgc actcgagcac caccaccacc accac
```

FIG.3

```
  1 MAEEGAVAVC VRVRPLNSRE ESLGETAQVY WKTDNNVIYQ VDGSKSFNFD RVFHGNETTK
 61 NVYEEIAAPI IDSAIQGYNG TIFAYGQTAS GKTYTMMGSE DHLGVIPRAI HDIFQKIKKF
121 PDREFLLRVS YMEIYNETIT DLLCGTQKMK PLIIREDVNR NVYVADLTEE VVYTSEMALK
181 WITKGEKSRH YGETKMNQRS SRSHTIFRMI LESREKGEPS NCEGSVKVSH LNLVDLAGSE
241 RAAQTGAAGV RLKEGCNINR SLFILGQVIK KLSDGQVGGF INYRDSKLTR ILQNSLGGNA
301 KTRIICTITP VSFDETLTAL QFASTAKYMK NTPYVNEVST VDKLAAALEH HHHH
```

FIG.4